

PATENT ABSTRACTS OF JAPAN

(11)Publication number : **2000-203154**
(43)Date of publication of application : **25.07.2000**

(51)Int.CI. **B41M 5/00**
B41J 2/01

(21)Application number : **11-008569** (71)Applicant : **JSR CORP**
(22)Date of filing : **14.01.1999** (72)Inventor : **FUTAMI SATOSHI**
ITO NOBUYUKI

(54) COATING MATERIAL AND SHEET FOR INK JET RECORDING

(57)Abstract:

PROBLEM TO BE SOLVED: To improve ink acceptability such as ink absorptivity or clearability, water resistance, blocking resistance and curling resistance by a method wherein porous organic particles and a binder are included in a coating material, which is formed on a sheet for ink jet recording as a coating film.

SOLUTION: In a coating material for ink jet recording, in which a water base ink is employed, particles having a surface state, the specific surface area of which is increased due to the presence of fine pores, unevenness or the like or porous organic particles, the specific surface area of which is prepared to be 10-100 m²/g, and a binder consisting of a polymer obtained by polymerizing radically polymerizable monomers in the presence of a water-soluble polymer are included. The average particle diameter of the porous organic particles is not limited but the preferable average particle diameter lies within the range of 0.05-2 μ m and especially within the range of 0.1-0.3 μ m. The above porous organic particle is obtained as a copolymer particle having a crosslinked structure through, for example, the copolymerization of a crosslinkable monomer and another monomer.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

BEST AVAILABLE CO